LISTING OF CLAIMS:

This listing of claims will replace all prior versions, and listing, of claims in the application.

1. (Currently amended) An expendable container comprising:

an expendable tank configured to store an expendable and having a piezoelectric sensor element attached thereto;

a driving circuit configured to charge and dischargeenergize and de-energize the piezoelectric sensor element;

a detection signal generation circuit configured to generate a detection signal including cycle information representing a cycle of an output voltage wave of the piezoelectric sensor element after the driving circuit eharges and discharges energizes and de-energizes the piezoelectric sensor element; and

a control module configured to control at least one of an impedance of a dischargede-energizing circuit through which the piezoelectric sensor element dischargesdeenergizes and a dischargede-energizing time so as to be a certain level that reduces a noise element present in detecting the cycle information of the detection signal, wherein

the cycle information is available for determining whether a residual quantity of the expendable is greater than a preset level, and

the control module is eapable of varying a discharge characteristic configured to vary a property affecting an output signal of the piezoelectric sensor element.

2. (Currently amended) The expendable container in accordance with claim 1,

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wherein the control module is eapable of varyingconfigured to vary a

dischargede-energizing time constant of the piezoelectric sensor element.

3. (Currently amended) The expendable container in accordance with claim 1,

wherein the control module is eapable of varyingconfigured to vary a

dischargede-energizing time of the piezoelectric sensor element.

4. (Currently amended) The expendable container in accordance with claim 1,

wherein

the detection signal generation circuit comprises:

a voltage generation circuit configured to generate a predetermined potential

difference between a first terminal with a higher potential and a second terminal with a lower

potential;

the piezoelectric sensor element having one end connected to the second terminal:

a chargean energization control switch connected between the first terminal and

the other end of the piezoelectric sensor element, and configured to control on and off ehargingenergizing from the first terminal to the piezoelectric sensor element according to a

control output from the control module;

a dischargede-energization control switch connected between the other end of the

piezoelectric sensor element and the second terminal, and configured to control on and off

discharging de-energizing from the piezoelectric sensor element to the second terminal according

to the control output from the control module; and

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a resistive circuit connected between the other end of the piezoelectric sensor

element and the second terminal, and having a variable resistance, wherein

the control module is configured to control the on-off of the charge energization

 $control\ switch, the\ on-off\ of\ the\ \underline{discharge}\underline{de-energizing}\ control\ switch, and\ the\ resistance\ of\ the$

resistive circuit.

5-13. (Canceled)

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